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CLIP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8950a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P30622
Other Accession	O55156, Q9Z0H8, Q9UDT6, Q922J3, O42184
Reactivity	Human
Predicted	Chicken, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22367
Calculated MW	162246
Antigen Region	228-254

Additional Information

Gene ID	6249
Other Names	CAP-Gly domain-containing linker protein 1, Cytoplasmic linker protein 1, Cytoplasmic linker protein 170 alpha-2, CLIP-170, Reed-Sternberg intermediate filament-associated protein, Restin, CLIP1, CYLN1, RSN
Target/Specificity	This CLIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 228-254 amino acids from the N-terminal region of human CLIP1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CLIP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CLIP1

Synonyms	CYLN1, RSN
Function	Binds to the plus end of microtubules and regulates the dynamics of the microtubule cytoskeleton. Promotes microtubule growth and microtubule bundling. Links cytoplasmic vesicles to microtubules and thereby plays an important role in intracellular vesicle trafficking. Plays a role macropinocytosis and endosome trafficking.
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, ruffle. Note=Localizes to microtubule plus ends (PubMed:17889670, PubMed:21646404). Localizes preferentially to the ends of tyrosinated microtubules (By similarity). Accumulates in plasma membrane regions with ruffling and protrusions. Associates with the membranes of intermediate macropinocytic vesicles (PubMed:12433698) {ECO:0000250|UniProtKB:Q922J3, ECO:0000269|PubMed:12433698, ECO:0000269|PubMed:17889670, ECO:0000269|PubMed:21646404}
Tissue Location	Detected in dendritic cells (at protein level). Highly expressed in the Reed-Sternberg cells of Hodgkin disease

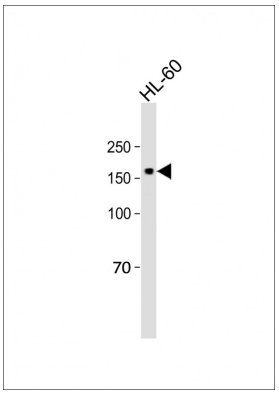
Background

CLIP1 may be a intermediate filament associated protein that links endocytic vesicles to microtubules.

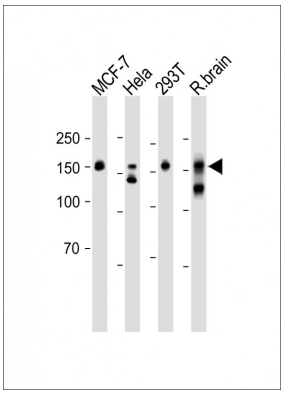
References

Yang,X., et.al., J. Biol. Chem. 284 (42), 28775-28782 (2009)
Meunier,B., et.al., Eur. J. Cell Biol. 88 (2), 91-102 (2009)

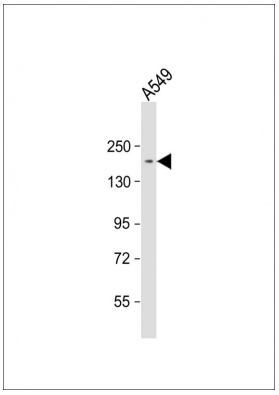
Images



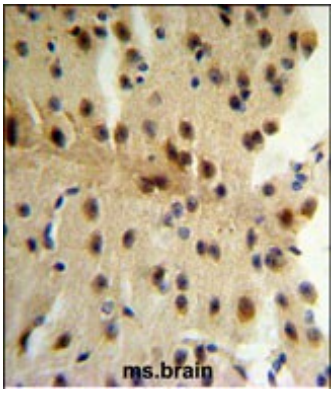
All lanes: Anti-CLIP1 Antibody (N-term) at 1:1000 dilution + HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 162 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



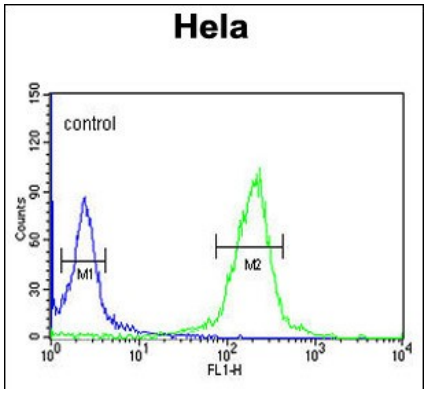
All lanes: Anti-CLIP1 Antibody (N-term) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: 293T whole cell lysate Lane 4: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 162 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-CLIP1 Antibody (N-term) at 1:1000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 162 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



CLIP1 Antibody (N-term) (Cat. #AP8950a) IHC analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CLIP1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



CLIP1 Antibody (N-term) (Cat. #AP8950a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.